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BOROUGH OF CREWE

# ANNUAL REPORT

OF THE

## Medical Officer of Health

AND THE

## Chief Public Health Inspector

FOR THE YEAR 1965

D. G. CRAWSHAW, M.B., Ch.B., D.C.H., D.P.H.
Medical Officer of Health

JOHN GASKELL, M.Inst., P.C., F.R.S.H., F.A.P.H.I.
Chief Public Health Inspector

# B O R O U G H  O F  C R E W E

ANNUAL REPORT

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MEDICAL OFFICER OF HEALTH

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CHIEF PUBLIC HEALTH INSPECTOR

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# B O R O U G H  O F  C R E W E

## HEALTH COMMITTEE

Chairman:

Alderman J. Perry

Members:

THE WORSHIPFUL THE MAYOR -
Councillor J.O. Hughes J.P.

Alderman W.R. Foulkes, J.P.,C.C.
Alderman H. Kent
Alderman S. Orwell
Councillor E.W. Allcock
Councillor A.J. Beckett
Councillor J.A. Clews
Councillor F. Holme
Councillor Mrs. B.J. Holt
Councillor D. Holt
Councillor A.G. Merrill
Councillor T.F. Rumley
Councillor M. Scholes
Councillor H.L. Shore

## BOROUGH OF CREWE

### MEDICAL OFFICER'S OFFICE

D.G. CRAWSHAW, M.B.,Ch.B.,D.C.H.,D.P.H., Medical Officer of Health (part-time with Cheshire C.C.)

C. BENNETT, D.M.A., Chief Clerk (part-time with Cheshire C.C.) (1.2.4.5.6.)

MRS. J.M. COOKE, Clerk (part-time with Cheshire C.C.)

### CHIEF PUBLIC HEALTH INSPECTOR'S DEPARTMENT

| | |
|---|---|
| J. GASKELL (1.2.4.5.6.7.) | Chief Public Health Inspector<br>Inspector under the Diseases of Animals Acts |
| R.E. PLATT (1.2.6.) | Deputy Chief Public Health Inspector |
| D.W. COOKE (1.2.5.6.) | Public Health Inspector |
| R.D. COLLIER (1.2.5.) | Public Health Inspector |
| E.H. PEET (1.2.) | Public Health Inspector |
| W.E. FEATHERSTONE (1.2.5.) | Public Health Inspector (resigned 8.5.65.) |
| F.E. WESTON (3) | Public Health Inspector |
| D.S. WHITE (8) | Technical Assistant (commenced 23.8.65.) |
| B. JOYNSON | Pupil Public Health Inspector |
| P.H. WILLIAMS | Pupil Public Health Inspector |
| T.C. SIMPSON | Chief Administrative Assistant |
| R.J. BLEASE | Clerk |
| MRS. J. ADAMS | Shorthand Typist |
| MISS J. WARBURTON | Shorthand Typist |

1. Public Health Inspector's Certificate (Royal Society of Health and Public Health Inspectors' Examination Joint Board).
2. Meat and Food Inspector's Certificate of the Royal Society of Health.
3. Diploma of Public Health Inspectors Education Board for appointment as Public Health Inspector.
4. Certificate in Sanitary Science as applied to Buildings and Public Works of the Royal Society of Health.
5. Smoke Inspector's Certificate of the Royal Society of Health.
6. Testamur of the Institute of Public Cleansing.
7. Associate Membership Examination of the Institution of Public Health Engineers.
8. Full Technological Certificate in Building.

October, 1966.

To the Mayor, Aldermen and
Councillors of the Borough of Crewe

I have the honour to present to you my report on the health of the Borough of Crewe for the year 1965.

## VITAL STATISTICS

During 1965, 16 infants died before reaching the age of 1 year and the infantile mortality rate of 16.4 per 1,000 live births is the lowest ever recorded for the Borough. 8 of these deaths occurred during the first month of life. The total number of births (975) shows approximately 5% reduction on the 1964 figure and is the first reduction following 10 years steady increase from 718 in 1955 to 1023 in 1964. The illegitimate live birth rate of 6.05% (59 in number) is much nearer the national average figure than in 1964 when it was almost 9% (90) in number. The live birth rate of 18.4 is slightly higher than the national figure for England and Wales (18.0).

The total number of deaths 653, shows an increase on the 1964 figure of 616. The ten year average figure is approximately 600, and is comparable as our population has remained static. The corrected death rate 14.43 is high compared with the national figure 11.5 for England and Wales. 245 of these deaths occurred to persons aged 75 years or over. 17 were attributed to accidents, 9 being motor vehicle accidents, and 4 persons committed suicide. Of the 120 deaths attributed to cancer, 26 were primary lung cancers.

## INFECTIOUS DISEASES

The notified incidence of measles (403)shows only a small reduction on the 1964 figure (524). This disease usually shows a 2 year epidemicity - notified incidence in preceeding years is as follows:- 1963 - 866; 1962 - 67; 1961 - 908; 1960 - 41; 1959 - 1081. The whooping cough figure (3) is very low indeed and probably reflects the high incidence in 1964 when 309 cases were notified. No case of either poliomyelitis or diphtheria was notified.

I remain,

Your obedient servant,

D.G. CRAWSHAW.

## STATISTICS AND SOCIAL CONDITIONS OF THE AREA

### GENERAL STATISTICS

| | |
|---|---|
| Area (Census 1961) ... ... ... ... ... | 4,386 acres |
| Population (Census 1961) ... ... ... ... | 53,394 |
| Registrar General's Estimated Population 1965 | 52,870 |
| Number of Inhabited Houses (1st April, 1965) | 17,512 |
| Rateable Value (1st April, 1965) ... ... ... | £1,928,210 |
| Sum Represented by Penny Rate ... ... ... | £7,675 |

### VITAL STATISTICS FOR THE YEAR 1965

### MOTHERS & INFANTS

LIVE BIRTHS

| Number | Males | Females | Total |
|---|---|---|---|
| Legitimate | 480 | 436 | 916 |
| Illegitimate | 25 | 34 | 59 |
| | 505 | 470 | 975 |

Rate per 1,000 population ... ... ... ... 18.44

Illegitimate Live Births (per cent. of total live births) 6.05%

STILLBIRTHS

| Number | Males | Females | Total |
|---|---|---|---|
| Legitimate | 8 | 13 | 21 |
| Illegitimate | 1 | 1 | 2 |
| | 9 | 14 | 23 |

Rate per 1,000 Total Live and Stillbirths ... ... 23.04

Total Live and Stillbirths

| Males | Females | Total |
|---|---|---|
| 514 | 484 | 998 |

Infant Deaths (deaths under one year)

| Males | Females | Total |
|---|---|---|
| 8 | 8 | 16 |

INFANT MORTALITY RATES

Total infant deaths per 1,000 total live births ... ... 16.41

Legitimate infant deaths per 1,000 legitimate live births 16.37

Illegitimate infant deaths per 1,000 illegitimate live births 16.95

NEO-NATAL MORTALITY RATE

(Deaths under 4 weeks per 1,000 total live births) ... 8.20

EARLY NEO-NATAL MORTALITY RATE

(Deaths under 1 week per 1,000 total live births) ... 7.18

PERINATAL MORTALITY RATE

(stillbirths and deaths under 1 week combined per 1,000 total live and stillbirths) ... ... ... ... 30.06

MATERNAL MORTALITY (including abortion)

Number of deaths ... ... ... ... ... ... ... Nil

Rate per 1,000 total live and stillbirths ... ... -

## DEATHS - GENERAL

REGISTERED DEATHS

| Males | Females | Total |
|---|---|---|
| 347 | 310 | 657 |

DEATH RATE

(Deaths per 1,000 population) ... ... ... ... 12.43

## BIRTH RATES, DEATH RATES, ANALYSIS OF MORTALITY, MATERNAL MORTALITY AND CASE RATES FOR CERTAIN INFECTIOUS DISEASES IN THE YEAR 1965

(Provisional figures based on weekly and quarterly returns)

| | CREWE |
|---|---|
| | Rates per 1,000 of the Population |
| BIRTHS - | |
| Live | 18.44 |
| Still | 0.43 |
| DEATHS - | |
| All causes | 12.43 |
| Typhoid & Paratyphoid Fevers | - |
| Whooping Cough | - |
| Diphtheria | - |
| Tuberculosis (all forms) | 0.019 |
| Influenza | - |
| Smallpox | - |
| Acute Poliomyelitis, including Polioencephalitis | - |
| Pneumonia (including pneumonia of Newborn) | 0.38 |
| | Rates per 1,000 Live Births |
| Under 1 year of age (all causes) | 16.41 |
| Gastro-Enteritis, Colitis (except ulcerative) and Diarrhoea under 2 years of age | 2.05 |
| | Rates per 1,000 of the Population |
| NOTIFICATIONS (Corrected) - | |
| Typhoid Fever | - |
| Paratyphoid Fever | - |
| Meningococcal Infection | - |
| Scarlet Fever | 1.07 |
| Whooping Cough | 0.05 |
| Diphtheria | - |
| Erysipelas | 0.03 |
| Smallpox | - |
| Measles | 7.62 |
| Acute Poliomyelitis including Polioencephalitis | |
| Paralytic | - |
| Non-Paralytic | - |
| Food Poisoning | - |
| Puerperal Pyrexia | 0.018 |
| Ophthalmia Neonatorum | - |
| Dysentery | 0.15 |
| Pneumonia | 0.018 |

A dash (-) signifies that there were no deaths or notifications.

## BIRTH RATES, DEATH RATES, ANALYSIS OF MORTALITY MATERNAL MORTALITY, AND CASE RATES FOR CERTAIN INFECTIOUS DISEASES IN THE YEAR 1965

(continued)

Comparison of certain rates with those for England and Wales.

COMPARABILITY FACTORS

| Births | Deaths |
|---|---|
| 1.01 | 1.16 |

| | Crewe | England and Wales |
|---|---|---|
| Per 1,000 Home Population | | |
| Live Births ... ... ... ... | 18.44 | |
| Live Births (corrected by comparability factor) | 18.62 | 18.0 |
| Deaths (all causes) actual | 12.43 | |
| Deaths (all causes) (corrected by comparability factor) | 14.47 | 11.5 |
| Per 1,000 total (Live and Still) Births | | |
| Stillbirths ... ... ... ... | 23.04 | 15.7 |
| Per 1,000 Live Births | | |
| Deaths under 1 year of age ... | 16.41 | 19.0 |

## COMPARATIVE STATISTICS 1955 - 1965

| Year | Estimated Population | Live Births | | Stillbirths | | Deaths | | Infant Deaths | | | | Maternal Deaths | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | Number | | | Rate per 1,000 Total Births |
| | | No. | Rate per 1,000 Estimated Population | No. | Rate per 1,000 Total Births | No. | Rate per 1,000 Estimated Population | Under 4 weeks | 4 wks to 12 mths | Total | Rate per 1,000 Live Births | Sepsis | Other | Total | |
| 1955 | 51,580 | 718 | 13.9 | 20 | 27.1 | 574 | 11.1 | 16 | 9 | 25 | 34.8 | - | - | - | - |
| 1956 | 51,510 | 758 | 14.7 | 24 | 30.69 | 525 | 10.2 | 14 | 5 | 19 | 25.07 | - | - | - | - |
| 1957 | 51,490 | 785 | 15.2 | 20 | 24.84 | 576 | 11.2 | 14 | 7 | 21 | 26.8 | - | - | - | - |
| 1958 | 51,370 | 791 | 15.4 | 29 | 35.3 | 616 | 12.05 | 11 | 8 | 19 | 24.02 | - | 2 | 2 | 2.4 |
| 1959 | 51,200 | 841 | 16.4 | 17 | 19.8 | 599 | 11.7 | 11 | 4 | 15 | 17.8 | - | 1 | 1 | 1.2 |
| 1960 | 51,320 | 910 | 17.7 | 28 | 29.8 | 540 | 10.5 | 16 | 3 | 19 | 20.9 | - | - | - | - |
| 1961 | 53,730 | 919 | 17.1 | 21 | 22.3 | 702 | 13.1 | 12 | 5 | 17 | 18.5 | - | - | - | - |
| 1962 | 53,580 | 958 | 17.8 | 15 | 15.4 | 655 | 12.22 | 8 | 21 | 29 | 30.27 | - | 1 | 1 | 1.02 |
| 1963 | 53,180 | 995 | 18.7 | 26 | 19.2 | 621 | 11.67 | 17 | 10 | 27 | 27.13 | - | 1 | 1 | 0.979 |
| 1964 | 52,950 | 1023 | 19.3 | 24 | 22.9 | 616 | 11.63 | 14 | 10 | 24 | 23.46 | - | 1 | 1 | 0.955 |
| 1965 | 52,870 | 975 | 18.4 | 23 | 23.0 | 657 | 12.43 | 8 | 8 | 16 | 16.41 | - | - | - | - |

## CAUSES OF DEATH AT DIFFERENT PERIODS OF LIFE DURING 1965 IN THE MUNICIPAL BOROUGH OF CREWE

| CAUSE OF DEATH | Sex | Total All Ages | Under 4 Weeks | 4 Weeks & Under 1 Year | Age In Years | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 1- | 5- | 15- | 25- | 35- | 45- | 55- | 65- | 75+ |
| 1. Tuberculosis, Respiratory | M | - | - | - | - | - | - | - | - | - | - | - | - |
| | F | 1 | - | - | - | - | - | - | - | - | - | - | 1 |
| 3. Syphilitic Disease | M | 3 | - | - | - | - | - | - | - | - | - | 1 | 2 |
| | F | - | - | - | - | - | - | - | - | - | - | - | - |
| 9. Other Infective & Parasitic Diseases | M | - | - | - | - | - | - | - | - | - | - | - | - |
| | F | 2 | - | - | - | - | - | 2 | - | - | - | - | - |
| 10. Malignant Neoplasm, Stomach | M | 12 | - | - | - | - | - | - | - | 1 | 3 | 3 | 5 |
| | F | 6 | - | - | - | - | - | 1 | - | 1 | - | - | 4 |
| 11. Malignant Neoplasm, Lung, Bronchus | M | 23 | - | - | - | - | - | - | 1 | 3 | 10 | 9 | - |
| | F | 3 | - | - | - | - | - | - | 1 | - | 2 | - | - |
| 12. Malignant Neoplasm, Breast | M | - | - | - | - | - | - | - | - | - | - | - | - |
| | F | 11 | - | - | - | - | - | - | 1 | 2 | 3 | 4 | 1 |
| 13. Malignant Neoplasm, Uterus | F | 8 | - | - | - | - | - | - | 1 | 1 | 3 | 1 | 2 |
| 14. Other Malignant & Lymphatic Neoplasms | M | 30 | - | - | - | - | - | - | - | 6 | 9 | 10 | 5 |
| | F | 26 | - | - | - | 1 | - | - | 1 | 4 | 7 | 7 | 6 |
| 15. Leukaemia, Aleukaemia | M | - | - | - | - | - | - | - | - | - | - | - | - |
| | F | 1 | - | - | 1 | - | - | - | - | - | - | - | - |
| 16. Diabetes | M | 1 | - | - | - | - | - | - | - | - | - | - | 1 |
| | F | 2 | - | - | - | - | - | - | - | - | - | 1 | 1 |

Cont'd

CAUSES OF DEATH AT DIFFERENT PERIODS OF LIFE DURING 1965 IN THE MUNICIPAL BOROUGH OF CREWE

| CAUSE OF DEATH | Sex | Total All Ages | Under 4 Weeks | 4 Weeks & Under 1 Year | Age In Years | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 1- | 5- | 15- | 25- | 35- | 45- | 55- | 65- | 75+ |
| 17. Vascular Lesions of Nervous System | M | 54 | - | - | - | - | - | - | 3 | 5 | 9 | 18 | 19 |
| | F | 70 | - | - | - | - | - | - | 2 | 5 | 7 | 13 | 43 |
| 18. Coronary Disease, Angina | M | 79 | - | - | - | - | - | - | 3 | 7 | 26 | 28 | 15 |
| | F | 51 | - | - | - | - | - | - | - | 3 | 10 | 18 | 20 |
| 19. Hypertension With Heart Disease | M | 2 | - | - | - | - | - | - | - | - | 2 | - | - |
| | F | 3 | - | - | - | - | - | - | - | - | 1 | 2 | - |
| 20. Other Heart Disease | M | 28 | - | - | - | - | - | - | 2 | 1 | 1 | 6 | 18 |
| | F | 35 | - | - | - | - | - | 2 | 1 | 2 | 1 | 11 | 18 |
| 21. Other Circulatory Disease | M | 7 | - | - | - | - | - | - | - | 1 | 1 | 4 | 1 |
| | F | 13 | - | - | - | - | - | - | - | - | 2 | 4 | 7 |
| 23. Pneumonia | M | 11 | 1 | 1 | - | - | - | - | - | - | 3 | 1 | 5 |
| | F | 9 | - | 1 | 1 | - | - | - | - | - | 1 | 3 | 3 |
| 24. Bronchitis | M | 33 | - | - | - | - | - | - | - | 1 | 6 | 15 | 11 |
| | F | 10 | - | - | - | - | - | - | - | - | 2 | 3 | 5 |
| 25. Other Diseases of Respiratory System | M | 2 | - | - | - | - | - | - | 1 | - | - | - | 1 |
| | F | 2 | - | - | - | - | - | - | - | - | - | - | 2 |
| 26. Ulcer of Stomach and Duodenum | M | 4 | - | - | - | - | - | - | - | - | 2 | 1 | 1 |
| | F | 2 | - | - | - | - | - | - | - | - | - | 1 | 1 |
| 27. Gastritis, Enteritis & Diarrhoea | M | 6 | - | 1 | - | - | - | - | 1 | - | - | 2 | 2 |
| | F | 1 | - | 1 | - | - | - | - | - | - | - | - | - |

Cont'd

CAUSES OF DEATH AT DIFFERENT PERIODS OF LIFE DURING 1965 IN THE MUNICIPAL BOROUGH OF CREWE

| CAUSE OF DEATH | Sex | Total All Ages | Under 4 Weeks | 4 Weeks & Under 1 Year | Age In Years | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 1- | 5- | 15- | 25- | 35- | 45- | 55- | 65- | 75+ |
| 28. Nephritis & Nephrosis | M | 1 | - | - | - | - | - | - | - | - | 1 | - | - |
| | F | 1 | - | - | - | - | - | - | - | - | 1 | - | - |
| 29. Hyperplasia of Prostate | M | 4 | - | - | - | - | - | - | - | - | 2 | - | 2 |
| 31. Congenital Malformations | M | 3 | - | 1 | 1 | - | - | - | - | - | - | 1 | - |
| | F | 2 | 1 | 1 | - | - | - | - | - | - | - | - | - |
| 32. Other Defined and Ill-Defined Diseases | M | 33 | 2 | 1 | - | 1 | 1 | - | 2 | 3 | 3 | 2 | 18 |
| | F | 41 | 4 | - | - | - | - | 1 | - | - | 4 | 8 | 24 |
| 33. Motor Vehicle Accidents | M | 6 | - | - | - | - | 3 | 1 | 2 | - | - | - | - |
| | F | 3 | - | - | - | - | - | - | - | 1 | 1 | 1 | - |
| 34. All Other Accidents | M | 4 | - | 1 | - | - | - | 1 | - | 1 | - | 1 | - |
| | F | 4 | - | - | - | - | - | 1 | - | - | 1 | 1 | 1 |
| 35. Suicide | M | 1 | - | - | - | - | - | - | - | - | 1 | - | - |
| | F | 3 | - | - | - | - | - | - | - | 2 | - | 1 | - |
| TOTAL ALL CAUSES | M | 347 | 3 | 5 | 1 | 1 | 4 | 2 | 15 | 29 | 79 | 102 | 106 |
| | F | 310 | 5 | 3 | 2 | 1 | - | 7 | 7 | 21 | 46 | 79 | 139 |

DEATHS OF CREWE INFANTS UNDER 1 YEAR OF AGE DURING 1965

| CAUSE OF DEATH | Under 1 Day | DAYS | | | | | | | | | MONTHS | | | | | | | | | | | ALL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 14 | 21 to 28 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 to 12 | |
| Pneumonia | - | - | - | - | - | - | - | - | - | 1 | 1 | - | - | - | - | - | 1 | - | - | - | - | 3 |
| Gastritis, Enteritis & Diarrhoea | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - | 2 |
| Congenital Malformations | - | - | - | 1 | - | - | - | - | - | - | 1 | - | - | - | - | - | - | 1 | - | - | - | 3 |
| Other Defined & Ill Defined Diseases | 2 | 1 | 2 | 1 | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | 7 |
| All Other Accidents | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | 1 |
| TOTAL | 2 | 1 | 2 | 2 | - | - | - | - | - | 1 | 2 | 1 | 1 | - | - | - | 1 | 1 | 2 | - | - | 16 |

NOTIFIED INFECTIOUS DISEASES 1965 : Civilian (Corrected in cases of revised diagnosis)

| | Under 1 year | 1-2 years | 2-3 years | 3-4 years | 4-5 years | 5-10 years | 10-15 years | 15-20 years | 20-25 years | 25-35 years | 35-45 years | 45-65 years | Over 65 years | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Scarlet Fever | - | 2 | 1 | 4 | 8 | 33 | 8 | - | 1 | - | - | - | - | 57 |
| Whooping Cough | 1 | 1 | - | 1 | - | - | - | - | - | - | - | - | - | 3 |
| Measles | 17 | 51 | 55 | 57 | 54 | 158 | 8 | 3 | - | - | - | - | - | 403 |
| Erysipelas | - | - | - | - | - | - | - | - | - | - | - | 2 | - | 2 |
| Dysentery | - | - | - | 2 | - | 2 | - | - | 1 | 2 | - | 1 | - | 8 |
| Acute Pneumonia | - | - | - | - | - | - | - | - | - | - | - | 1 | - | 1 |
| Puerperal Pyrexia | - | - | - | - | - | - | - | 1 | - | - | - | - | - | 1 |
| TOTAL | 18 | 54 | 56 | 64 | 62 | 193 | 16 | 4 | 2 | 2 | - | 4 | - | 475 |

# T U B E R C U L O S I S

## Particulars of New Cases of Tuberculosis and Deaths During 1965

| Age Period | New Cases | | | | Deaths | | | |
|---|---|---|---|---|---|---|---|---|
| | Pulmonary | | Non-Pulmonary | | Pulmonary | | Non-Pulmonary | |
| | M | F | M | F | M | F | M | F |
| Under 1 year | - | - | - | - | - | - | - | - |
| 1 year - 4 years | - | - | - | - | - | - | - | - |
| 5 years - 9 years | - | - | - | - | - | - | - | - |
| 10 years - 14 years | - | - | - | - | - | - | - | - |
| 15 years - 19 years | - | 1 | - | - | - | - | - | - |
| 20 years - 24 years | - | 1 | - | - | - | - | - | - |
| 25 years - 34 years | - | 1 | - | - | - | - | - | - |
| 35 years - 44 years | 2 | 2 | - | - | - | 1 | - | - |
| 45 years - 54 years | 3 | - | - | - | - | 1 | - | - |
| 55 years - 64 years | 1 | - | - | - | 1 | - | - | - |
| 65+ | 2 | - | - | - | 1 | - | - | - |
| Total | 8 | 5 | - | - | 2 | 2 | - | - |

## Particulars of New Cases and Deaths During the Last Five Years

| Year | New Cases | | Deaths | |
|---|---|---|---|---|
| | Pulmonary | Non-Pulmonary | Pulmonary | Non-Pulmonary |
| 1961 | 16 | 3 | 6 | - |
| 1962 | 19 | 2 | 7 | - |
| 1963 | 8 | 3 | 2 | - |
| 1964 | 12 | 1 | 6 | - |
| 1965 | 13 | - | 4 | - |

The following is a summary of the four quarterly returns which are rendered to the County Medical Officer, and which indicate the number of cases remaining on the register at 31st December, 1965.

| | Pulmonary | | Non-Pulmonary | |
|---|---|---|---|---|
| | M | F | M | F |
| No. of cases on Register of Notifications on 1st Jan. 1965 | 107 | 65 | 9 | 6 |
| No. of cases notified for the first time during the year | 8 | 5 | - | - |
| No. of cases transferred from other districts | 1 | 2 | - | - |
| No. of cases restored to Register | - | 1 | - | - |
| No. of cases removed from Register during the year on account of having | | | | |
| (a) Recovered | 17 | 13 | 1 | - |
| (b) Removed from district | 1 | 3 | - | - |
| (c) Died | 2 | 2 | - | - |
| (d) Diagnosis not established | - | - | - | - |
| (e) Lost sight of | 1 | - | - | - |
| No. of cases remaining on the Register on 31st December, 1965 | 95 | 55 | 8 | 6 |

Of the 4 cases listed under (c) above, only one died from tuberculosis and 3 from other primary causes.

## VACCINATION AND IMMUNISATION

### Vaccination Against Smallpox

The number of vaccinations reported to me during the year was 292, showing a decrease of 89 on the previous year.

| | Year of Birth | | | | | |
|---|---|---|---|---|---|---|
| | 1965 | 1964 | 1963-1961 | 1960-1951 | Others under 16 years of age | Total |
| Vaccinated | 68 | 130 | 78 | 8 | - | 284 |
| Re-Vaccinated | - | - | 2 | 5 | 1 | 8 |

### Supplementary Information Regarding Children Vaccinated Under 1 Year of Age

| | 0 - 3 mths | 3 - 6 mths | 6 - 9 mths | 9 - 12 mths |
|---|---|---|---|---|
| No. Vaccinated | 48 | 43 | 7 | 20 |

### Diphtheria Immunisation

During the year cards received from Medical Practitioners showed that 774 children were immunised against diphtheria. In addition, 348 children received a boosting dose to improve their immunity.

The corresponding figures for 1964 were 624 and 233.

No case of diphtheria was notified during 1965 and it is now 15 years since a case of diphtheria has been notified in the Borough.

## Diphtheria, Whooping Cough, Tetanus & Poliomyelitis Vaccinations of Persons under 16 years of age Completed During 1965

A. Completed primary courses - Number of persons under 16.

| Type of Vaccine | 1965 | 1964 | 1963 | 1962 | 1958-61 | Others under age 16 | At Clinics | By G.P's |
|---|---|---|---|---|---|---|---|---|
| Quadruple | 10 | 19 | 2 | 2 | 3 | - | - | 36 |
| Triple | 235 | 392 | 49 | 22 | 22 | 2 | - | 722 |
| Diphtheria/Pertussis | - | - | - | - | - | - | - | - |
| Diphtheria/Tetanus | - | - | - | 4 | 9 | - | - | 13 |
| Diphtheria | - | - | - | - | 1 | 2 | - | 3 |
| Pertussis | - | - | - | - | - | - | - | - |
| Tetanus | - | - | - | - | 8 | 9 | - | 17 |
| Salk | - | 3 | 2 | - | 2 | 7 | - | 14 |
| Sabin | 139 | 445 | 127 | 67 | 130 | 33 | 43 | 898 |

B. Reinforcing Doses - Number of Persons under 16.

| Type of Vaccine | 1965 | 1964 | 1963 | 1962 | 1958-61 | Others under age 16 | At Clinics | By G.P's |
|---|---|---|---|---|---|---|---|---|
| Quadruple | - | 1 | 5 | 1 | 3 | - | - | 10 |
| Triple | - | 2 | 15 | 5 | 230 | 12 | - | 264 |
| Diphtheria/Pertussis | - | - | - | - | - | - | - | - |
| Diphtheria/Tetanus | - | 3 | 3 | 2 | 59 | 4 | - | 71 |
| Diphtheria | - | - | - | - | 99 | - | 96 | 3 |
| Pertussis | - | - | - | - | - | - | - | - |
| Tetanus | - | - | - | - | 7 | 11 | - | 18 |
| Salk | - | - | - | 1 | 3 | - | - | 4 |
| Sabin | - | 6 | 6 | 9 | 383 | 163 | 121 | 446 |

MEDICAL EXAMINATIONS

During the year, 262 persons were medically examined. Of these 72 were examined in conjunction with the Corporation's Superannuation and Sickness Pay Schemes, 174 were County Staff or persons seeking entry into a Training College and 16 were of persons applying for a Taxi Driver's Licence.

MORTUARY FACILITIES

The Corporation Mortuary was closed on 1st January, 1962, and the arrangements made with the South Cheshire Hospital Management Committee have continued entirely satisfactorily. During the year the Corporation paid fees in respect of 54 bodies received at the Crewe Memorial Hospital Mortuary.

CREWE AND DISTRICT COMMITTEE FOR MORAL WELFARE WORK (ST. HILDA'S)

In connection with the voluntary work carried out by the above Committee I quote below an extract from Rev. E.C.W. Parry-Williams, Chairman's letter prefacing the 1965 Annual Report of the Committee. It must be borne in mind that the Committee's activities cover a larger area than the Borough of Crewe.

"There were 116 new cases during 1965. 69 illegitimate births; of these 69 mothers, 18 went into the Home at Hoylake, 11 went into Moral Welfare Homes, 40 stayed at home and went into the local hospitals. 33 babies were adopted; 31 girls kept their babies; and 5 babies were taken into care."

FOOD POISONING

No case of food poisoning was notified during the year.

SECTION 47 NATIONAL ASSISTANCE ACT 1948

Formal action was taken in respect of three elderly females, and one elderly male during the year.

# ANNUAL REPORT OF

# THE CHIEF PUBLIC HEALTH INSPECTOR

# FOR THE YEAR 1965

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Chief Public Health Inspector's
Department,
Municipal Buildings,
C R E W E.

November, 1966.

To the Mayor, Aldermen and
Councillors of the Borough
of Crewe.

Mr. Mayor, Ladies and Gentlemen,

I have the honour to present my eighteenth annual report on the work of the public health inspectorate.

In the field of housing satisfactory progress has been made with slum clearance. Applications for housing improvement grants (59) whilst showing a slight increase (4) still fall short of a desirable target figure. There are a considerable number of houses in the borough suitable for improvement and I appeal to the owners to make full use of the grant provisions.

The department is responsible for the enforcement of the health, safety and welfare provisions of the Offices, Shops and Railway Premises Act, 1963. The period under review presents the first complete year of the working of the Act. The total number of premises registered at the year end was 573 in which 3,736 persons were employed. The public health inspectors paid 504 visits, made 218 general inspections, found 412 contraventions and investigated 24 accidents. The standard of cleanliness and lighting of premises, apart from some stockrooms or passages, was generally satisfactory. The contraventions relating to sanitary conveniences and washing facilities were in the main concerned with defects rather than insufficiency.

The implementation of the Clean Air Act 1956 as it relates to the establishment of smoke control areas in the Borough has progressed according to plan. Two smoke control orders covering in all some 478 acres and 2,113 premises are now in operation and a third area of 223 acres and 1,670 premises will be operative from the 1st July, 1967. The Act has now been in operation some ten years and it is interesting to take account of the smoke control progress over this period. As at the 30th June, 1966 the number of acres covered by smoke control orders (confirmed or awaiting confirmation) in England and Wales was 555,679 and the number of premises 2,991,329. The Greater London area maintains its long lead over other regions and has now passed the half-way mark. Despite the progress made the Chief Alkali Inspector reports that

industry has advanced more rapidly in smoke control than the domestic side. There is too an increasing public awareness of air pollution as a social evil which can only be overcome by a progressive smoke control policy vigorously pursued.

The department continued to co-operate with the Ministry of Technology (formerly the Department of Scientific and Industrial Research) in recording smoke and sulphur dioxide concentrations, and in this respect was fortunate in receiving the continued assistance of the staff of British Railways (Midland Region) Laboratory at Crewe.

In conclusion, I wish to express my thanks to His Worship the Mayor, The Chairman and Members of the Health Committee, members of the staff and to other officers and their staffs for their co-operation.

I have the honour to be,

Your obedient servant,

J. GASKELL,

Chief Public Health Inspector.

## SANITARY CIRCUMSTANCES OF THE AREA

### PUBLIC CLEANSING

The removal of household and trade refuse is based on a weekly collection service and with the exception of holiday periods, this frequency of collection was maintained generally throughout the Borough.

The Cleansing Department operates a Refuse Disposal Plant and has a separate Garage and Workshop.

Twelve vehicles (including two spare vehicles) are employed on the collection of household and trade refuse and nightsoil, in addition to one vehicle used in connection with refuse disposal.

| | |
|---|---|
| Household refuse collected ... ... ... | 13,166 tons |
| Trade refuse collected ... ... ... ... | 2,001 tons |
| Total refuse collected by the Department during the year | 15,167 tons |

2,911 tons of shop and factory refuse were also brought to the Refuse Disposal Works for disposal, making a total of 18,078 tons of refuse dealt with during the year. 58.1% of the total refuse passed through the works while the remainder was disposed of by controlled tipping.

The estimated amount of nightsoil collected during the year was 156 tons.

A separate Annual Report is issued for the Public Cleansing service in the Borough.

### SANITARY ACCOMMODATION

There are still a number of privy pails in the Borough, situated in the present unsewered northern area of the town.

### WATER SUPPLY

The water supply to the district is provided by the Mid and South East Cheshire Water Board. The water is not plumbo-solvent and all dwelling houses are supplied direct from the mains.

Mr. Delwyn Davies, B.Sc.(Eng) M.I.C.E., M.I.W.E., A.M.B.I.M., Chief Officer of the Board has supplied the following information relating to the supply.

During 1965, 32 samples were taken by the Water Board in Crewe. On examination 5 samples proved to be unsatisfactory.

The water supply has been satisfactory in quantity but difficulty was experienced with an infestation of Asellus Aquaticus in the late Summer and early Autumn.

Asellus Aquaticus was eliminated from the system by dosing with .01 ppm of pyrethrin for 12 days.

Bacteriological examinations of raw and treated water are made weekly. Without exception the water leaving the works has been thoroughly satisfactory.

A copy of a typical chemical analysis of the water delivered to Crewe from Hurleston is given below:

| | |
|---|---|
| Source of supply to consumers | R. Dee Hurleston Works |
| Daily volume in million gallons | 6 to 7 |
| No. of samples and period over which they have been collected | 50 in 13 months (1.1.65 - 1.2.66 inclusive) |
| Colour | not more than 5 Hazen |
| Reaction pH | from 7.4 to 8.4 |
| Electrical conductivity at $25^{\circ}$ | from 206 to 470 umhos |
| Hardness as $CaCO_3$ | |
| Total | from 81 to 204 ppm. |
| Non-carbonate | from 33 to 100 ppm. |
| Alkalinity as $CaCO_3$ | from 42 to 104 ppm. |
| Chlorides expressed as chlorine | from 17.5 to 34.3 ppm. |
| Ammoniacal nitrogen | up to 0.01 ppm. |
| Albuminoid nitrogen | from 0.04 to 0.17 ppm. |
| Nitrate nitrogen | from 0.2 to 3.8 ppm. |
| Oxygen absorbed from permanganate in 4 hrs. at $27^{\circ}C$. | from 0.55 to 1.84 ppm. |
| Iron | from 0.01 to 0.06 ppm. |
| Manganese | less than 0.01 ppm. |
| Aluminium | from 0.01 to 0.10 ppm. |
| Residual chlorine | from 0.1 to 0.25 ppm. |

In addition to the samples mentioned above, 42 samples of water were also submitted by my department for bacteriological and chemical examination and all but 5 proved satisfactory.

Immediate notification of unsatisfactory samples was made to the Water Board and further samples were satisfactory.

## NUMBER AND NATURE OF COMPLAINTS

The Department received 914 complaints during the year from householders, shopkeepers and others relating to numerous matters, as set out in the table below.

| NATURE OF COMPLAINT | |
|---|---|
| Disrepair - General | 32 |
| Defective chimneys | 12 |
| Defective woodwork | 6 |
| Defective plasterwork | 1 |
| Defective floors | 3 |
| Defective roofs | 12 |
| Defective eaves gutters and pipes | 6 |
| Burst water pipes | 12 |
| Dampness | 16 |
| Defective water closets | 18 |
| Choked drains | 250 |
| Flooding | 6 |
| Accumulations | 11 |
| Dirty premises | 12 |
| Vermin | 3 |
| Beetles and cockroaches | 10 |
| Ants | 5 |
| Rats | 308 |
| Mice | 118 |
| Foul and obnoxious odours | 22 |
| Smoke nuisances | 4 |
| Miscellaneous | 28 |
| Water supply | 19 |
| | 914 |

## INSPECTIONS

| Nature of Inspections made | Number | Number of Notices served | | Result of Notices served | | Prosecutions |
|---|---|---|---|---|---|---|
| | | Informal | Statutory | Complied with | Remaining in hand | |
| Dwellinghouses (P.H.Act) | 360 | 179 | 62 | 194 | 47 | - |
| Dwellinghouses (Hsg.Act) | 510 | - | - | - | - | - |
| Rapid Housing Survey | 68 | - | - | - | - | - |
| Improvement Grants | 444 | - | - | - | - | - |
| Rent Act Certificates | 20 | - | - | - | - | - |
| Back to back houses | - | - | - | - | - | - |
| Verminous houses | 118 | - | - | - | - | - |
| Tents, Vans and Sheds | 23 | - | - | - | - | - |
| Yards and passages | 30 | - | - | - | - | - |
| Drains and sewers | 2041 | - | 684 | 684 | - | - |
| Ditches and watercourses | 30 | 2 | - | 2 | - | - |
| Offensive accumulations | 63 | - | - | - | - | - |
| Keeping of animals | 24 | 2 | - | 2 | - | - |
| Offensive trades | 50 | - | - | - | - | - |
| Place where food is prepared or sold | 671 | 122 | - | 45 | 77 | 1 |
| Factories - with mechanical power | 51 | 3 | - | 2 | 1 | - |
| with no mechanical power | 6 | - | - | - | - | - |
| Workplaces | 2 | - | - | - | - | - |
| Outworkers | 2 | - | - | - | - | - |
| Common lodging houses | 146 | - | - | - | - | - |
| Shops under Shops Act | 102 | 35 | - | 30 | 5 | - |
| O.S.R.P. Act | 504 | 172 | - | 42 | 130 | - |
| Clean Air Act | 2140 | - | - | - | - | - |
| Infectious Diseases - (Enquiries and revisits) | 57 | - | - | - | - | - |
| Houses re overcrowding | 13 | - | - | - | - | - |
| Milk samples (Bacteriological exam.) | 186 | - | - | - | - | - |
| Ice Cream samples | 55 | - | - | - | - | - |
| Water supply and samples | 236 | - | - | - | - | - |
| Food and Drugs Act - (incl. samples) | 174 | - | - | - | - | 5 |
| Applicants for Corporation houses | 120 | - | - | - | - | - |
| Rodent Control | 182 | - | - | - | - | - |
| Miscellaneous | 1512 | - | - | - | - | 1 |
| Re-inspections | 1123 | - | - | - | - | - |
| TOTALS | 11,053 | 515 | 746 | 1,001 | 260 | 7 |

## INFECTIOUS DISEASE AND DISINFECTION

Number of premises visited where a notifiable disease has occurred ... ... ... ... ... ... ... ... 47

Number of Library Books disinfected -

(a) from Public Library ... ... ... ... 35

(b) from Private Libraries ... ... ... Nil ... 35

## DISINFESTATION

The following table shows the number of premises treated during 1965.

| | Number found to be infested | | Number of Premises Disinfested |
|---|---|---|---|
| | Premises | Rooms | |
| Council Houses ... ... ... ... | 4 | 14 | 4 |
| Other Houses ... ... ... ... | 6 | 22 | 6 |
| Cases confirmed after complaint of infestation ... ... ... ... | 2 | - | - |
| Cases found by Public Health Inspectors ... ... ... ... ... | 8 | - | - |
| Houses disinfested by Corporation ... ... ... ... | - | - | 10 |
| Houses disinfected by Contractors ... ... ... ... | - | - | - |

The work of disinfestation was carried out by the use of D.D.T. and patent fumigant solutions.

In addition to the premises listed above, 25 houses were treated for infestations of beetles and 27 houses for ants.

## SWIMMING BATHS

The only Public Swimming Baths in the Borough are owned by the Corporation and contain two swimming pools, slipper or private wash baths and various other amenities.

During the year, 44 samples of bath water were submitted for bacteriological and chemical examination and 6 samples proved unsatisfactory, but subsequent samples proved satisfactory.

## OFFENSIVE TRADES

The following offensive trades are carried on in the Borough.

| | |
|---|---|
| Rag and Bone Dealers ... ... ... ... | 2 |
| Gut Scrapers ... ... ... ... ... | 1 |
| Bone Boiler and Fat Extractor ... ... | 1 |

In addition to the above, 30 persons are registered under the Scrap Metal Dealers Act 1964.

## RAG FLOCK

| | |
|---|---|
| Number of licensed premises used for the manufacture of, or storage of Rag Flock ... ... | - |
| Number of registered premises where filling materials are used ... ... ... ... | 1 |

## COMMON LODGING HOUSES

There were two common Lodging Houses operating in the Borough until December, 1965 when both were closed. The following table shows the number of beds available at each house.

| Situation | No. of beds | Accommodation available for |
|---|---|---|
| (1) 175 Market Street ... ... | 10 | Male and female |
| (2) 177 Market Street ... ... | 26 | Male |
| Total number of beds ... | 36 | |

The number of persons who used the lodging houses during the year is given below with comparative figures for the two preceding years.

| | Adults | | Children | |
|---|---|---|---|---|
| | Males | Females | Males | Females |
| 1965 ... ... ... | 2,428 | 351 | - | - |
| 1964 ... ... ... | 2,120 | 491 | - | - |
| 1963 ... ... ... | 4,643 | 387 | - | - |

## HOUSING STATISTICS

Number of New Houses erected during the year:

| | | |
|---|---|---|
| (1) | By the Local Authority ... ... ... ... | 60 |
| (2) | By other authorities ... ... ... ... | 2 |
| (3) | By other bodies or persons ... ... ... | 71 |

1. Inspection of Dwelling Houses during the year:

(1) (a) Total number of houses inspected for housing defects (under Public Health Act or Housing Act) -

| | | | |
|---|---|---|---|
| (i) | On General Inspection ... ... | 179 | |
| (ii) | Slum Clearance ... ... ... ... | 173 | |
| | Total ... | | 352 |

(b) Number of inspections made for the purpose -

| | | | |
|---|---|---|---|
| (i) | General Inspections ... ... ... | 360 | |
| (ii) | Slum Clearance ... ... ... ... | 510 | |
| | Total ... | | 870 |

(2) (a) Number of dwelling houses (included under the sub-heading (1) above) which were inspected and recorded under the Housing Consolidation Regulations, 1925 -

| | | | |
|---|---|---|---|
| (i) | On General Inspections ... ... | - | |
| (ii) | Slum Clearance ... ... ... ... | 173 | |
| | Total ... | | 173 |

(b) Number of inspections made for the purpose -

| | | | |
|---|---|---|---|
| (i) | General Inspections ... ... ... | - | |
| (ii) | Slum Clearance ... ... ... ... | 510 | |
| | Total ... | | 510 |

(3) Number of dwelling houses found to be in a state so dangerous or injurious to health as to be unfit for habitation -

| | | | |
|---|---|---|---|
| (i) | On General Inspections .... ... | - | |
| (ii) | Slum Clearance ... ... ... ... | 173 | |
| | Total ... | | 173 |

Housing Statistics cont.

(4) Number of dwelling houses (exclusive of those referred to under the preceding sub-heading) found not to be in all respects reasonably fit for human habitation ... ... ... ... ... ... ... 179

2. Remedy of Defects during the year without service of Formal Notices

Number of defective dwelling houses rendered fit in consequence of informal action by the Local Authority or their officers ... ... ... ... 100

3. Action under Statutory Powers during the Year

(a) Proceedings under Section 9 and 10 of the Housing Act 1957 -

(1) Number of dwelling houses in respect of which notices were served requiring repairs ... Nil

(2) Number of dwelling houses which were rendered fit after service of formal notices -

(a) By owners ... ... ... ... ... ... Nil

(b) By Local Authority in default of owners ... ... ... ... ... ... Nil

(b) Proceedings under Public Health Acts -

(1) Number of dwelling houses in respect of which notices were served requiring defects to be remedied ... ... ... ... 62

(2) Number of dwelling houses in which defects were remedied after service of formal notices -

(a) By owners ... ... ... ... ... ... 44

(b) By Local Authority in default of owners ... ... ... ... ... ... 3

(c) Proceedings under Sections 16 and 17 of the Housing Act, 1957 -

(1) Number of dwelling houses in respect of which demolition orders were made ... ... 1

(2) Number of dwelling houses demolished in pursuance of demolition orders ... ... 1

Housing Statistics cont.

| | | | | |
|---|---|---|---|---|
| 3. | (c) | (3) | Number of undertaking to carry out works in lieu of demolition accepted by the Council ... ... ... ... ... ... | - |
| | | (4) | Number of dwelling houses in respect of which closing orders were made ... ... ... | 2 |
| 4. | Housing Act 1957 - Part IV - Overcrowding | | | |
| | (a) | (1) | Number of dwellings overcrowded at end of year... ... ... ... ... ... ... | 4 |
| | | (2) | Number of families dwelling therein... ... ... | 4 |
| | | (3) | Number of persons dwelling therein ... ... ... | 38 |
| | (b) | | Number of new cases of overcrowding reported during the year ... ... ... ... ... | 4 |
| | (c) | (1) | Number of cases of overcrowding relieved during the year ... ... ... ... | 2 |
| | | (2) | Number of persons concerned in such cases ... ... ... ... ... ... ... | 16 |
| | (d) | | Particulars of any cases in which dwelling houses have again become overcrowded after the local authority have taken steps for the abatement of overcrowding ... ... ... ... | - |

## HOUSING CLEARANCE PROGRAMME

The following table shows the progress made since 1955 to the end of the year with the Slum Clearance Programmes

| Description of Property | No. of Properties in Area | | Date of Representation or Report | Date of Confirmation of Order | No.of families rehoused 3/11/55 - 31/12/65 | No.of properties demolished to 31/12/65 |
|---|---|---|---|---|---|---|
| | 'Pink' | 'Grey' | | | | |
| 1. CLEARANCE AREAS: | | | | | | |
| West Ward No. 2 (Naylor Street) Compulsory Purchase Order 1956 | 87 | - | 5/6/56 | 5/4/57 | 79 | 87 |
| West Ward No. 3 (Stafford Street) Clearance Order 1957 | 8 | - | 5/6/56 | 19/6/57 | 7 | 8 |
| Central Ward No. 4 (Foundry Street) Clearance Order 1957 | 15 | - | 4/6/57 | 11/3/58 | 13 | 15 |
| North Ward No. 8 (Earle Street) Clearance Order 1957 | 7 | - | 4/6/57 | 19/11/57 | 7 | 7 |
| North Ward No. 9 (Martin Street) Clearance Order 1957 | 15 | - | 13/8/57 | 8/7/58 | 13 | 15 |
| South Ward No. 2 (Railway Street) Clearance Order 1957 | 18 | - | 13/8/57 | 22/9/58 | 18 | 18 |
| West Ward No. 4 (Stafford Street and Henshaw Street) Clearance Order 1958 | 10 | - | 4/6/58 | 9/7/59 | 10 | 10 |
| South Ward No. 3 (Mill Street) Clearance Order 1958 | 6 | - | 12/8/58 | 8/5/59 | 4 | 6 |
| c/f | 166 | - | - | - | 151 | 166 |

HOUSING CLEARANCE PROGRAMME, Cont.

| Description of Property | No. of Properties in Area | | Date of Representation or Report | Date of Confirmation of Order | No. of families rehoused 3/11/55 - 31/12/65 | No. of properties demolished to 31/12/65 |
|---|---|---|---|---|---|---|
| | 'Pink' | 'Grey' | | | | |
| b/f | 166 | - | - | - | 151 | 166 |
| Central Ward No. 5 (Lockitt Street) Clearance Order 1958 | 15 | - | 12/8/58 | 19/5/59 | 14 | 15 |
| North Ward No. 10 (Davenport Street) Clearance Order 1958 | 14 | - | 12/8/58 | 8/4/59 | 13 | 14 |
| North Ward No. 11 (Broad Street) Clearance Order 1958 | 12 | - | 12/8/58 | 14/4/59 | 12 | 12 |
| North Ward No. 12 (Broughton Road) Clearance Order 1958 | 3 | - | 12/8/58 | 8/4/59 | 3 | 3 |
| North Ward No. 13 (Sydney Road) Clearance Order 1958 | 2 | - | 7/10/58 | 8/4/59 | 3 | 2 |
| West Ward No. 5 (Alexandra Street) Compulsory Purchase Order 1959 | 83 | 2 | 7/4/59 | 12/9/60 | 85 | 85 |
| West Ward No. 6 (Orchard Place) Clearance Order 1959 | 20 | - | 2/6/59 | 21/7/60 | 19 | 20 |
| Central Ward No. 6 (Liverpool Street/ Forge Street) Compulsory Purchase Order 1961 | 186 | 3 | 12/4/60 | 5/10/61 | 171 | 189 |
| Central Ward No. 7 (Bank Street/ Lockitt Street) Compulsory Purchase Order 1961 | 45 | - | 4/8/61 | 5/4/62 | 39 | 45 |
| c/f | 546 | 5 | - | - | 510 | 551 |

| Description of Property | No. of Properties in Area | | Date of Representation or Report | Date of Confirmation of Order | No. of families rehoused 3/11/55 - 31/12/65 | No. of properties demolished to 31/12/65 |
|---|---|---|---|---|---|---|
| | 'Pink' | 'Grey' | | | | |
| b/f | 546 | 5 | - | - | 510 | 551 |
| South Ward No. 4 (Mill Street) Compulsory Purchase Order 1962 | 2 | - | 10/4/62 | 30/10/62 | 2 | 2 |
| Central Ward No. 10 (Chester Street West) Clearance Order 1962 | 2 | - | 10/4/62 | 2/11/62 | 2 | - |
| Central Ward No. 11 (John Street) Clearance Order 1962 | 2 | - | 10/4/62 | 4/1/63 | 2 | 2 |
| West Central Ward No. 1 (Peel Street) Clearance Order 1962 | 8 | - | 10/4/62 | 17/1/63 | 7 | 8 |
| West Central Ward No. 2 (Dale Street) Clearance Order 1962 | 6 | - | 10/4/62 | 2/11/62 | 6 | 6 |
| West Central Ward No. 3 (West Street/ Stafford Street) Compulsory Purchase Order 1962 | 64 | 8 | 10/4/62 | 9/4/63 | 55 | 67 |
| North East Ward No. 1 (Chapel Lane) Clearance Order 1962 | 10 | - | 10/4/62 | 18/10/62 | 7 | 10 |
| Central Ward No. 12 (Oakley Street/ Beech Street) Compulsory Purchase Order 1963 | 59 | 4 | 9/4/63 | 12/5/64 | 48 | 50 |
| Central Ward No. 15 (Oakley Street/ Beech Street) Clearance Order 1963 | 19 | - | 9/4/63 | 12/5/64 | 13 | - |
| c/f | 718 | 17 | - | - | 652 | 696 |

| Description of Property | No. of Properties in Area | | Date of Representation or Report | Date of Confirmation of Order | No. of families rehoused 3/11/55 - 31/12/65 | No. of properties demolished to 31/12/65 |
|---|---|---|---|---|---|---|
| | 'Pink' | 'Grey' | | | | |
| b/f | 718 | 17 | - | - | 652 | 696 |
| West Ward No. 7(Collins Street) Clearance Order 1963 | 25 | - | 12/2/63 | 8/11/63 | 24 | 25 |
| South East Ward No. 1 (Bridge Street) Compulsory Purchase Order 1963 | 27 | 1 | 12/3/63 | 14/1/64 | 24 | 28 |
| West Central Ward No. 5 (Derby Street/ Grosvenor Street) Compulsory Purchase Order 1963 | 54 | 10 | 12/11/63 | 12/1/65 | 42 | - |
| Borough of Crewe No. 14 (Mill Street/ Station Street) Compulsory Purchase Order 1965 | 229 | 32 | 12/1/65 | - | - | - |
| 2. AREAS DEALT WITH INFORMALLY WITH THE APPROVAL OF THE MINISTRY OF HOUSING AND LOCAL GOVERNMENT | | | | | | |
| Park Place | 67 | - | 19/4/56 | 9/7/57 | 65 | 67 |
| c/f | 1120 | 60 | - | - | 807 | 816 |

HOUSING CLEARANCE PROGRAMME, Cont.

| Description of Property | No. of Properties in Area | | Date of Representation or Report | Date of Confirmation of Order | No. of families rehoused 3/11/55 - 31/12/65 | No. of properties demolished to 31/12/65 |
|---|---|---|---|---|---|---|
| | 'Pink' | 'Grey' | | | | |
| b/f | 1120 | 60 | - | - | 807 | 816 |
| 3. HOUSES BELONGING TO THE CORPORATION AND DEMOLISHED WITH APPROVAL OF THE MINISTRY OF HOUSING AND LOCAL GOVERNMENT | | | | | | |
| During 1954 | 6 | - | - | - | 3 | 6 |
| During 1956 | 3 | - | - | - | 2 | 3 |
| During 1958 | 4 | - | - | - | 4 | 4 |
| During 1959 | 3 | - | - | - | 2 | 3 |
| During 1960 | 4 | - | - | - | 3 | 3 |
| During 1961 | 1 | - | - | - | 1 | 1 |
| During 1964 | 3 | - | - | - | 1 | 3 |
| 4. HOUSES DEALT WITH BY INDIVIDUAL DEMOLITION OR CLOSING | | | | | | |
| (a) Demolition Orders: | | | | | | |
| During 1955 | 1 | - | - | - | 1 | 1 |
| During 1956 | 4 | - | - | - | 3 | 4 |
| During 1957 | 9 | - | - | - | 6 | 9 |
| During 1958 | 11 | - | - | - | 9 | 11 |
| During 1959 | 14 | - | - | - | 12 | 14 |
| c/f | 1183 | 60 | - | - | 854 | 878 |

| Description of Property | No. of Properties in Area | | Date of Representation or Report | Date of Confirmation of Order | No. of families rehoused 3/11/55 - 31/12/65 | No. of properties demolished to 31/12/65 |
|---|---|---|---|---|---|---|
| | 'Pink' | 'Grey' | | | | |
| b/f | 1183 | 60 | - | - | 854 | 878 |
| 4. HOUSES DEALT WITH BY INDIVIDUAL DEMOLITION OR CLOSING | | | | | | |
| (a) Demolition Orders Cont: | | | | | | |
| During 1960 | 3 | - | - | - | 2 | 2 |
| During 1961 | 1 | - | - | - | - | 1 |
| During 1963 | 5 | - | - | - | 4 | 4 |
| During 1964 | 2 | - | - | - | 2 | - |
| During 1965 | 1 | - | - | - | - | 1 |
| (b) Closing Orders: | | | | | | |
| During 1955 | 1 | - | - | - | 1 | - |
| During 1956 | 1 | - | - | - | - | - |
| During 1959 | 1 | - | - | - | 1 | - |
| During 1960 | 7 | - | - | - | 7 | 2 |
| During 1961 | 2 | - | - | - | - | - |
| During 1962 | 6 | - | - | - | 5 | - |
| During 1963 | 3 | - | - | - | 3 | - |
| During 1964 | 1 | - | - | - | 1 | - |
| During 1965 | 2 | - | - | - | 3 | - |
| TOTALS | 1219 | 60 | - | - | 883 | 888 |

## IMPROVEMENT GRANTS

| | | |
|---|---|---|
| 1. | Number of applications received to 31st December 1964 ... | 361 |
| | Number of applications received during the year ... ... | 59 |
| | Total applications received to 31st December, 1965 ... | 420 |
| 2. | Number of applications approved to 31st December, 1964 ... | 360 |
| | Number of applications approved during the year ... ... | 59 |
| | Total applications approved to 31st December, 1965 ... | 419 |
| 3. | Number of applications withdrawn to 31st December, 1964... | 13 |
| | Number of applications withdrawn during the year ... ... | 1 |
| | Total applications withdrawn to 31st December, 1965 ... | 14 |
| 4. | Number of cases where work was completed by 31st December, 1964 ... ... ... ... ... ... ... | 315 |
| | Number of cases where work was completed during the year | 49 |
| | Total number of cases where work was completed by 31st December, 1965... ... ... ... ... ... ... | 364 |
| 5. | Expenditure ranking for grant approved to 31st December, 1964 ... ... ... ... ... ... | £54,031.19.11d. |
| | Expenditure ranking for grant approved during the year ... ... ... ... ... ... ... | 8,902. 4. 8d. |
| | Total expenditure ranking for grant approved to 31st December, 1965... ... ... ... | £62,934. 4. 7d. |
| 6. | Expenditure on works and repairs not ranking for grant in cases approved to 31st December, 1964 ... ... ... ... ... ... | £21,240. 7. 6d. |
| | Expenditure on works and repairs not ranking for grant in cases approved during the year... ... | 2,770.16. 6d. |
| | Total expenditure on works and repairs not ranking for grant in cases approved to 31st December, 1965 ... ... ... ... ... ... | £24,011. 4. 0d. |
| 7. | Average grant per house ... ... ... ... ... | £75. 2. 0d. |
| 8. | Number of grants repaid to 31st December, 1965 ... | 18 |
| | Total amount of grant repaid ... ... ... ... | £924. 9. 3d. |

NOTE:- The above expenditure figures include the figures in respect of the applications approved but later withdrawn or repaid.

## CERTIFICATES OF DISREPAIR

Rent Act 1957

### Part I - Application for Certificates of Disrepair

| | |
|---|---|
| Number of applications for certificates ... ... ... ... | 4 |
| Number of decisions not to issue certificates ... ... ... | NIL |
| Number of decisions to issue certificates - | |
| (a) in respect of some but not all defects ... ... | 3 |
| (b) in respect of all defects ... ... ... ... ... | 1 |
| Number of undertakings given by landlords under paragraph 5 of the first schedule ... ... ... ... ... | 1 |
| Number of undertakings refused by Local Authority under proviso to paragraph 5 of the first schedule ... ... | NIL |
| Number of certificates issued ... ... ... ... ... ... | 3 |

### Part II - Applications for Cancellation of Certificates

| | |
|---|---|
| Number of applications by landlords to Local Authority for cancellation of certificates ... ... ... ... ... | NIL |
| Number of objections by tenants to cancellation of certificates ... ... ... ... ... ... ... ... | NIL |
| Number of decisions by Local Authority to cancel in spite of tenant's objections ... ... ... ... ... | NIL |
| Number of certificates cancelled by Local Authority ... ... | NIL |

## FACTORIES ACT 1961

1. INSPECTIONS for purposes of provisions as to health (including inspections made by Public Health Inspectors).

| Particulars | Number on Register | Inspec-tions | Number of | |
|---|---|---|---|---|
| | | | Written Notices | Occupiers Prosecuted |
| (i) Factories in which Sections 1, 2, 3, 4 and 6 are to be enforced by Local Authorities | 6 | 4 | - | - |
| (ii) Factories not included in (i) in which Section 7 is enforced by the Local Authority | 152 | 51 | 3 | - |
| (iii) Other premises in which Section 7 is enforced by the Local Authority (excluding outworkers premises) | 15 | 2 | - | - |
| TOTAL | 173 | 57 | 3 | - |

2. CASES in which defects were found

| Particulars | Number of cases in which defects were found | | | |
|---|---|---|---|---|
| | Found | Remedied | Referred to H. M. Inspector | Referred by H. M. Inspector |
| Want of Cleanliness (S.1.) | - | - | - | - |
| Sanitary Conveniences (S.7.) | | | | |
| (a) Insufficient | - | - | - | - |
| (b) Unsuitable or defective | 3 | 2 | - | 3 |
| (c) Not separate for sexes | - | - | - | - |
| TOTAL | 3 | 2 | - | 3 |

3. OUTWORKERS. Lists required by Section 110 were received relating to 76 outworkers all engaged in making wearing apparel.

## Offices, Shops and Railway Premises Act, 1963

The above mentioned Act which came into force during 1964 contained provisions relating to the health, safety and welfare of employees in offices, shops and certain other premises. The following tables, have been abstracted from the annual report submitted to the Ministry of Labour.

### Registration and General Inspections

| Class of premises | Number of premises registered during the year | Total number of Registered premises at end of year | Number of registered premises receiving a general inspection during the year |
|---|---|---|---|
| Offices | 7 | 116 | 28 |
| Retail shops | 39 | 387 | 160 |
| Wholesale shops, warehouses | - | 20 | 5 |
| Catering establishments open to the public, canteens | 10 | 48 | 25 |
| Fuel storage depots | - | 2 | - |
| TOTALS | 56 | 573 | 218 |

NUMBER OF VISITS OF ALL KINDS BY INSPECTORS TO REGISTERED PREMISES - 504

Analysis of persons employed in Registered Premises

| Class of workplace | Number of persons employed |
|---|---|
| Offices | 1,013 |
| Retail shops | 2,052 |
| Wholesale departments, warehouses, | 182 |
| Catering establishments open to the public | 451 |
| Canteens | 20 |
| Fuel storage depots | 18 |
| Total | 3,736 |
| Total Males | 1,289 |
| Total Females | 2,447 |

Exemptions and Prosecutions

No exemptions were applied for during the year, nor prosecution instituted.

Contraventions found

| | |
|---|---|
| Premises requiring cleansing in some form | 39 |
| Provision of heating and/or thermometer | 86 |
| Inadequate ventilation | 15 |
| Defective or inadequate sanitary accommodation | 86 |
| Defective or inadequate washing facilities | 49 |
| Inadequate drinking water facilities | 7 |
| Absence of adequate facilities for storage of outdoor clothing | 16 |
| Lack of adequate eating facilities in shops | 3 |
| Defective floors, passages or staircases | 26 |
| Lack of First Aid equipment | 74 |
| Overcrowding | 4 |
| Inadequate lighting | 4 |
| Sitting facilities | 1 |
| Fencing exposed parts of machinery | 2 |

Accidents

25 accidents were reported during the year, details of which are given in the following tables.

Reported Accidents

| Workplace | Number Reported | Total number investigated | Action Recommended | | | No. Action |
|---|---|---|---|---|---|---|
| | | | Prosecution | Formal Warning | Informal Advice | |
| Offices | 1 | 1 | - | - | - | 1 |
| Retail shops | 16 | 15 | - | - | 4 | 12 |
| Wholesale shops, warehouses | 6 | 6 | - | - | 2 | 4 |
| Catering establishments open to public, canteens | 2 | 2 | - | - | - | 2 |
| Fuel Storage Depots | - | - | - | - | - | - |
| TOTALS | 25 | 24 | - | - | 6 | 19 |

Analysis of Reported Accidents

| | Offices | Retail shops | Wholesale Warehouses | Catering Establishments | Fuel Storage Depots |
|---|---|---|---|---|---|
| Machinery | - | 3 | - | - | - |
| Transport | - | - | 1 | - | - |
| Hand Tools | - | 4 | - | - | - |
| Falls of persons | - | 3 | 2 | 1 | - |
| Stepping on or striking against object or person | - | - | - | 1 | - |
| Handling goods | - | 5 | 2 | - | - |
| Struck by falling object | - | - | 1 | - | - |
| Not otherwise specified | 1 | 1 | - | - | - |
| TOTALS | 1 | 16 | 6 | 2 | - |

## RODENT CONTROL

The Corporation employ two full-time rodent operators and the extermination methods employed are poisoning, gassing and trapping. The following table summarises the work carried out:-

| | Type of Property | | | Total |
|---|---|---|---|---|
| | Local Auth. | Dwell. Hses. | Bus. Pres. | |
| NUMBER OF PROPERTIES INSPECTED: | | | | |
| (1) Primary Inspections: | | | | |
| (a) as a result of notification | 13 | 266 | 87 | 366 |
| (b) otherwise ... ... ... | - | 341 | - | 341 |
| (a) Re-inspections: | | | | |
| (a) as a result of notification | 1 | 15 | 2 | 18 |
| (b) otherwise ... ... ... | - | 11 | - | 11 |
| Total properties inspected ... | 14 | 633 | 89 | 736 |
| NUMBER OF PROPERTIES FOUND TO BE INFESTED BY RATS | | | | |
| (1) On Primary Inspections: | | | | |
| (a) Major ... ... ... ... | - | - | - | - |
| (b) Minor ... ... ... ... | 10 | 427 | 42 | 479 |
| (2) Re-infestations: | | | | |
| (a) Major ... ... ... ... | - | - | - | - |
| (b) Minor ... ... ... ... | 1 | 19 | 2 | 22 |
| NUMBER OF PROPERTIES FOUND TO BE INFESTED BY MICE | | | | |
| (1) On Primary Inspections ... ... | 3 | 67 | 45 | 115 |
| (2) On re-inspections ... ... | - | 6 | - | 6 |
| Total infestations found ... | 14 | 519 | 89 | 622 |
| NUMBER OF INFESTED PROPERTIES TREATED BY LOCAL AUTHORITY | | | | |
| (1) Primary treatments: | | | | |
| (a) for rats ... ... ... | 11 | 439 | 40 | 490 |
| (b) for mice ... ... ... | 3 | 68 | 50 | 121 |
| (2) Treatment for re-infestation | | | | |
| (a) for rats ... ... ... | 1 | 12 | 1 | 14 |
| (b) for mice ... ... ... | - | 4 | 1 | 5 |
| Total treatments ... ... ... | 15 | 523 | 92 | 630 |

NOTE: A treatment means a complete treatment for the destruction of rats and mice and includes not only the initial treatment, but when necessary, post-baiting and follow-up treatment.

RODENT CONTROL, Cont.

Following the treatments carried out, 628 rats and 366 mice were picked up, whilst the estimated kill was 2,556 rats and 861 mice.

During the year the rodent operators paid 5,904 visits in connection with the inspection and treatment of premises.

Two maintenance treatments of the sewers were also carried out. 902 manholes were baited and 626 takes of poison bait were recorded, showing an estimated kill of 1,550 rats.

PET ANIMALS ACT 1951

There are seven premises in the Borough licensed for the sale of pet animals. All these premises comply with the recommended conditions of the Royal Society for the Prevention of Cruelty to Animals, which were adopted by the Council.

## INSPECTION AND SUPERVISION OF FOOD

### FOOD HYGIENE

Food hygiene has continued to receive the attention of the public health inspectorate and 671 visits have been made for this purpose.

All plans of food premises submitted to the Borough Engineer are scrutinised for compliance with the various Acts and Regulations and where amendments are necessary the owner or architect is advised and corrections made before submission to the appropriate Committees. This system has worked very well indeed and architects and others have co-operated fully with the Department.

The following is a list of the various types of food premises in the Borough.

### Number and type of food premises

**Premises requiring registration**

| | |
|---|---|
| For the manufacture of Ice Cream ... ... ... | 3 |
| For the storage and sale of Ice Cream ... ... | 225 |
| For the preparation and manufacture of sausages or pressed, potted or preserved meat, etc... ... ... ... ... ... ... | 20 |
| Dairies ... ... ... ... ... ... ... | 1 |

### FOOD HYGIENE REGULATIONS, 1960

| Type of premises | Number | Premises complying with Regulation 16 | Premises complying with Regulation 19 |
|---|---|---|---|
| Fried Fish Shops | 38 | 36 | 37 |
| Wet Fish Shops | 5 | 4 | 5 |
| Bakehouses | 10 | 10 | 10 |
| Butchers | 50 | 49 | 49 |
| Restaurants and Cafes | 30 | 30 | 30 |
| School Canteens | 11 | 11 | 11 |
| Factory Canteens | 19 | 18 | 19 |
| Licensed Premises | 119 | 119 | 119 |
| Grocery and Provisions | 145 | 137 | 143 |
| Cakes and Confectionery | 15 | 14 | 15 |
| Sweets | 31 | 31 | 31 |
| Green Grocery | 29 | 29 | 29 |
| TOTALS | 502 | 488 | 498 |

## FOOD INSPECTION

There are no slaughterhouses in the Borough.

The following table shows the foods condemned during the year on account of decomposition, etc.

### TINNED FOODS

| | lbs | |
|---|---|---|
| Meat ... ... ... ... | 1,092 | |
| Fruit ... ... ... ... | 1,931 | |
| Vegetables ... ... ... | 1,166 | |
| Fish ... ... ... ... | 28 | |
| Miscellaneous ... ... | 280 | 4,497 lbs. |

### OTHER FOODS

| | | |
|---|---|---|
| Meat ... ... ... ... | 1,194 | |
| Fish ... ... ... ... | 117 | |
| Fruit ... ... ... ... | 209 | |
| Frozen foods ... ... ... | 765 | |
| Miscellaneous ... ... | 26 | 2,311 lbs. |
| | TOTAL | 6,808 lbs. |

## ICE CREAM

Ice cream was manufactered at three premises in the Borough in 1965, while 225 premises were registered for the storage and sale of ice cream. A complete cold mix is used at two of the manufacturing premises in the Borough and pasteurisation at the other.

42 samples of ice cream were submitted for bacteriological examination and the results of the examinations are shown below.

| Ice Cream | Methylene Blue Test Grading | | | | TOTAL |
|---|---|---|---|---|---|
| | Grade I | Grade 2 | Grade 3 | Grade 4 | |
| Samples taken at manufacturing premises .. | 11 | 4 | 1 | 2 | 18 |
| Samples taken from retailers in the Borough | 20 | 3 | 1 | - | 24 |
| TOTALS | 31 | 7 | 2 | 2 | 42 |

## MILK

### Distributors of Milk

Registered distributors of milk ... ... ... ... ... 113
Registered dairies ... ... ... ... ... ... ... 1

### Designated Milk

Dealer's pre-packed licences ... ... ... ... ... 113

### Pasteurised Milk

Establishments at which milk is pasteurised -

Holder Process ... ... ... ... ... ... ... ... -
H.T.S.T. Process ... ... ... ... ... ... ... 1

### MILK SAMPLING

During the year 164 samples of designated milks were taken for bacteriological examination and the following table provides details of the results.

| No. of samples | Description of milk | Methylene Blue Test | | Phosphatase Test | | Turbidity Test | |
|---|---|---|---|---|---|---|---|
| | | Passed | Failed | Passed | Failed | Passed | Failed |
| 2 | Untreated | 1 | 1 | - | - | - | - |
| 130 | Pasteurised | 121 | 7 | 129 | 1 | - | - |
| 32 | Sterilised | - | - | - | - | 32 | - |
| 164 | TOTALS | 122 | 8 | 129 | 1 | 32 | - |

SLAUGHTER OF ANIMALS ACT 1958

The number of slaughtermen's licences issued in 1965 was 10.

KNACKER'S YARD

There is one Knacker's Yard in the Borough. These premises are not licensed for the slaughter of horses.

FOOD AND DRUGS ACT 1955

During the year 12 formal and 116 informal samples were submitted to the Public Analyst for analysis.

| Nature of Sample | No. of Samples | | Number of samples adulterated or not genuine |
|---|---|---|---|
| | Informal | Formal | |
| Milk | 3 | - | 2 |
| Meat and Meat Products | 41 | - | 4 |
| Fish and Fish Products | 6 | - | - |
| General Groceries | 43 | - | 7 |
| Preserves | 3 | - | - |
| Flour Confectionery | 4 | - | 2 |
| Sugar Confectionery | 4 | - | - |
| Cordials | 6 | - | 2 |
| Medicines etc. | 3 | - | - |
| Beer and Spirits | 3 | 12 | - |
| | 116 | 12 | 17 |
| | 128 | | |

In addition to the above samples which were submitted to the Public Analyst, nineteen additional samples were brought to the office.

## FOOD AND DRUGS ACT 1955

The table below shows details of the samples found not to be genuine or otherwise unsatisfactory and of the relative action taken.

| Sample Number | Article | Adulteration or other irregularity | Action Taken |
|---|---|---|---|
| 2868 | Bottle of Cordial | Contained safety pin | Manufacturer cautioned |
| 2869 | Chocolates | Contained maggot | Manufacturer cautioned |
| 2884 | Loaf of bread | Contained carbonised dough | Manufacturer cautioned |
| 2885 | Loaf of bread | Contained piece of wire | Manufacturer prosecuted Fined £10. |
| 2895 | Steak and Kidney pie | Deficient in meat content | Manufacturer cautioned |
| 2898 | Bottle of milk | Contained metal foil cap | Vendor prosecuted - fined £5. |
| 2899 | Meat and Potato Pie | Unsound | Manufacturer cautioned |
| 2900 | Butter | Contained foreign object | Manufacturer cautioned |
| 2901 | Biscuits | Contained piece of metal | Manufacturer cautioned |
| 2914 | Soup | Contained piece of metal | Manufacturer cautioned |
| 2915 | Bottle of Milk | Contained blue bottle | Vendor cautioned |
| 2933 | Crispbread | Contained insects | Vendor cautioned |
| 2934 | Loaf of bread | Contained piece of chewing gum | Manufacturer cautioned |
| 2935 | Date and walnut loaf | Mouldy | Manufacturer cautioned |
| 2936 | Loaf of bread | Contained beetle | Manufacturer cautioned |
| 2937 | Bottle of milk | Contained milk residue | Vendor cautioned |
| 2938 | Bottle of milk | Contained milk residue | Vendor cautioned |

| Sample Number | Article | Adulteration or other irregularity | Action Taken |
|---|---|---|---|
| 2939 | Cream Horn | Contained iron scale | Manufacturer cautioned |
| 2940 | Grapefruit Cordial | Discoloured | Vendor cautioned |
| 2941 | Loaf of bread | Contained streaks of wheat bran | - |
| 2942 | Apple tart | Mouldy | Manufacturer cautioned |
| 2943 | Tin of corned beef | Unsound | - |
| 2944 | Baked custard | Contained carbonised particles | Manufacturer cautioned |
| 2945 | Bread cob | Contained moth larva | Manufacturer cautioned |
| 2946 | Tin of corned beef | Unsound | - |
| 2947 | Loaf of bread | Mouldy | Manufacturer cautioned |
| 2948 | Cereal | Infested with spider beetle | Vendor cautioned |
| 2949 | Tin of Luncheon Meat | Contained piece of metal | Notified to Ministry of Agriculture, Fisheries and Food |
| 2950 | Sausage | Coloured with pigment | Manufacturer cautioned |
| 2951 | Bottle of milk | Dirty | Vendor prosecuted and fined £10. |
| 2958 | Yoghurt | Incorrectly labelled | Manufacturer to relabel cartons |
| 2959 | Barbecue beef | Deficient in meat content | Manufacture discontinued |
| 2969 | Bottle of milk | Bottle dirty | Vendor prosecuted and fined £4. |
| 2970 | Bottle of milk | Bottle dirty | Vendor prosecuted and fined £5. |
| 2987 | Loaf of bread | Contained mould | Manufacturer cautioned |

## ATMOSPHERIC POLLUTION

The implementation of the provisions of the Clean Air Act, 1956 once again occupied a proportion of the time of the public health inspectorate and 2,140 inspections were made under the Act.

1 application was submitted to the local authority for 'prior approval', 5 notifications were received of 'intention to install' furnaces under Section 3 of the Act.

The Borough of Crewe No. 1 (Marshfield Bank and Wistaston Green) Smoke Control Order, 1960 covering some 270 acres on the westerly side of the borough, and affecting some 1,085 properties came into operation on the 1st October, 1962.

On the 29th May, 1964, the Council made a second order, known as the Borough of Crewe No. 2 (Wistaston Green and The Valley) Smoke Control Order, 1964. This Order, which covers 208 acres and 1,028 properties in an area adjacent to and to the east of the first area, was confirmed on the 5th March, 1965, to become operative on the 1st July, 1966.

During 1965 a third area, comprising 223 acres and 1,670 properties, was surveyed with the object of a further Order being made to come into operation in 1967.

The department has, since 1949, in co-operation with the Department of Scientific and Industrial Research, made regular monthly recordings of the degree of air pollution throughout the borough. The analyses of the readings of the various stations are shown in the appended tables and graphs.

In 1961, Crewe was selected as one of 120 towns to take part in a National Survey of Atmospheric Pollution and five additional sets of instruments have been installed at particular sites in the district.

The sites selected cover five types of district in accordance with the recommendations of the Department of Scientific and Industrial Research as follows:

| | | Crewe Site |
|---|---|---|
| (a) | Residential area with a high population density | Stalbridge Road Clinic |
| (b) | Residential area with a low population density | College Annexe, Railton Avenue |
| (c) | Industrial area | Railway Works |
| (d) | Commercial area | British Railway Laboratory, Town Hall |
| (e) | Smoke Control area | Sewage Works |

The results obtained are collated by the Warren Spring Laboratory of the Department of Scientific and Industrial Research.

## VOLUMETRIC CONCENTRATION OF SMOKE IN THE ATMOSPHERE - YEAR 1965

Average daily concentration expressed as microgrammes per cubic metre

| MONTH | A Residential Area, high population density | | | B Residential Area, low population density | | | C Industrial Area | | | D Commercial Area | | | E Smoke Control Area | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1963 | 1964 | 1965 | 1963 | 1964 | 1965 | 1963 | 1964 | 1965 | 1963 | 1964 | 1965 | 1963 | 1964 | 1965 |
| Jan. | 563 | 434 | 375 | 406 | 297 | 201 | 407 | 330 | 203 | 507 | 280 | 284 | 258 | 158 | 114 |
| Feb. | 476 | 376 | 434 | 327 | 257 | 247 | 312 | 302 | 364 | 333 | 226 | 351 | 201 | 138 | 141 |
| March | 289 | 340 | 323 | 165 | 216 | 181 | 153 | 291 | 272 | 216 | 96 | 243 | 63 | 128 | 99 |
| April | 284 | 178 | * | 141 | 97 | * | * | 116 | * | 182 | 76 | * | 69 | 31 | * |
| May | 165 | 109 | 125 | 77 | 63 | 58 | 102 | 78 | 94 | 111 | 80 | 110 | 26 | * | 31 |
| June | 117 | 111 | 80 | 65 | 65 | 34 | 39 | 95 | 68 | 74 | 106 | 70 | 32 | 27 | 24 |
| July | 121 | 76 | 78 | * | 44 | 28 | 86 | * | 72 | 76 | 77 | 64 | 27 | 23 | 19 |
| August | * | 84 | 102 | * | 40 | 42 | 123 | 79 | 83 | 78 | 88 | 82 | * | 24 | 29 |
| Sept. | 217 | 130 | 157 | 144 | 64 | 88 | 165 | 86 | 107 | 177 | 115 | 129 | 62 | 41 | 43 |
| Oct. | 230 | 424 | 260 | 144 | 249 | 171 | 146 | 262 | 203 | 131 | 360 | 223 | 50 | 143 | 108 |
| Nov. | 309 | 468 | 283 | 227 | 244 | 199 | 239 | 302 | 233 | 163 | 326 | 257 | * | 143 | 112 |
| Dec. | * | 554 | * | * | 360 | * | * | * | * | 225 | 489 | 183 | * | 194 | * |

* No results obtained

## VOLUMETRIC CONCENTRATION OF SULPHUR DIOXIDE IN THE ATMOSPHERE - YEAR 1965

Average daily concentration expressed as microgrammes per cubic metre

| MONTH | A Residential Area, high population density | | | B Residential Area, low population density | | | C Industrial Area | | | D Commercial Area | | | E Smoke Control Area | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1963 | 1964 | 1965 | 1963 | 1964 | 1965 | 1963 | 1964 | 1965 | 1963 | 1964 | 1965 | 1963 | 1964 | 1965 |
| Jan. | 634 | 366 | 268 | 417 | 265 | 217 | 564 | 327 | 277 | 603 | 350 | 300 | 317 | 140 | 142 |
| Feb. | 503 | 331 | 353 | 366 | 259 | 254 | 431 | 335 | 384 | 475 | 304 | 402 | 261 | 158 | 180 |
| March | 228 | 326 | 266 | 144 | 204 | 223 | 190 | 337 | 268 | 256 | 249 | 284 | 92 | 169 | 158 |
| April | 138 | 153 | * | * | 119 | * | 205 | 219 | * | 205 | 149 | * | 93 | 59 | * |
| May | 141 | 89 | 123 | 86 | 77 | 92 | 136 | 153 | 182 | 130 | 105 | 135 | 54 | * | 68 |
| June | 121 | 101 | 107 | 88 | 83 | 68 | 133 | 161 | 207 | 113 | 128 | 106 | 67 | 64 | 70 |
| July | 113 | 96 | 101 | * | 68 | 61 | 104 | * | 131 | 115 | 102 | 96 | 62 | 54 | 59 |
| August | * | 102 | 99 | * | 64 | 59 | 142 | 142 | 146 | 117 | 105 | 101 | * | 47 | 60 |
| Sept. | 172 | 140 | 113 | 120 | 82 | 98 | 171 | 125 | 120 | 169 | 121 | 127 | 66 | 73 | 71 |
| October | 165 | 286 | 168 | 138 | 159 | 176 | 153 | 208 | 227 | 165 | 296 | 231 | 58 | 110 | 131 |
| Nov. | 252 | 304 | 164 | 203 | 217 | 183 | 219 | 224 | 270 | 254 | 291 | 257 | * | 146 | 127 |
| Dec. | * | 415 | * | * | 324 | * | * | * | * | 432 | 426 | 213 | * | 199 | * |

*No results obtained

## ATMOSPHERIC POLLUTION - SMOKE DEPOSITED MATTER 1965
### Monthly Deposits in Tons per Square Mile

| | ASHBANK CO-OP STORES | | | IMPERIAL CHAMBERS | | | SEWAGE WORKS | | | ELM DRIVE | | | CREWE GATES FARM | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1963 | 1964 | 1965 | 1963 | 1964 | 1965 | 1963 | 1964 | 1965 | 1963 | 1964 | 1965 | 1963 | 1964 | 1965 |
| Jan. | 11.21 | 13.65 | 12.27 | 12.72 | 22.29 | 13.21 | 7.96 | 6.48 | 8.27 | 17.75 | 13.23 | 18.75 | 8.93 | 10.23 | 10.19 |
| Feb. | 11.68 | 12.62 | 11.80 | 13.26 | 15.28 | 13.89 | 4.62 | 6.75 | 6.56 | 11.40 | 10.24 | 11.55 | 4.42 | 8.41 | 8.23 |
| March | 12.34 | 13.97 | 14.18 | 18.07 | 20.45 | 15.89 | 6.89 | 8.81 | 8.70 | 15.89 | 12.75 | 11.99 | 8.03 | 9.02 | 11.20 |
| April | 12.29 | 11.74 | 13.38 | 15.96 | 15.55 | 15.78 | 8.48 | 6.54 | 9.03 | 9.38 | 12.21 | 11.97 | 7.97 | 9.66 | 7.77 |
| May | 13.12 | 13.33 | 14.57 | 17.73 | 19.19 | 13.93 | 7.40 | 9.56 | 6.13 | 14.70 | 16.38 | 11.78 | 9.13 | 13.89 | 9.97 |
| June | 11.95 | 9.84 | 12.57 | 15.04 | 13.02 | 12.79 | 7.54 | 9.78 | 10.86 | * | 12.32 | 11.01 | 12.74 | 11.11 | 11.88 |
| July | 10.92 | 12.22 | 15.75 | 12.36 | 13.22 | 17.44 | 5.32 | 13.57 | 13.52 | 15.67 | 13.11 | 12.37 | 9.91 | 10.59 | 12.19 |
| August | 10.04 | 13.30 | 13.78 | 13.06 | 14.16 | 13.31 | 10.30 | 8.36 | 10.26 | 11.24 | 24.97 | 9.32 | 8.37 | 12.69 | 12.25 |
| Sept. | 10.75 | 10.32 | 15.40 | 15.65 | 15.43 | 14.94 | 6.32 | 7.56 | 7.61 | 14.59 | 10.74 | 27.13 | 12.18 | 11.69 | 9.37 |
| October | 12.10 | 15.34 | 9.16 | 15.21 | 16.77 | 10.25 | 5.77 | 8.88 | 5.49 | 9.86 | 11.19 | 10.75 | 11.24 | 12.84 | 8.46 |
| Nov. | 13.68 | 11.38 | 14.94 | 16.39 | 12.74 | 19.15 | 6.22 | 6.24 | 12.99 | 12.84 | 10.04 | 29.26 | 9.69 | 12.01 | 10.60 |
| Dec. | 8.48 | 11.25 | 10.58 | 15.76 | 15.82 | 15.85 | 4.30 | 8.08 | 5.89 | 10.00 | 15.04 | 11.14 | 7.04 | 11.89 | 9.76 |
| TOTAL | 138.56 | 148.96 | 158.38 | 181.21 | 193.92 | 176.43 | 81.12 | 100.61 | 105.31 | 143.32 | 162.22 | 177.02 | 109.65 | 134.03 | 121.87 |
| MONTHLY AVERAGE | 11.55 | 12.41 | 13.20 | 15.10 | 16.16 | 14.70 | 6.76 | 8.38 | 8.78 | 13.03 | 13.52 | 14.75 | 9.14 | 11.17 | 10.16 |

* No result obtained owing to damage to equipment

## ATMOSPHERIC POLLUTION

Sulphur Dioxide by the Lead Peroxide Method
Results expressed as mg./$SO_3$/day/100 sq.c.m. of Batch
"A" Lead Peroxide exposed under a louvered cover

| MONTH | ASHBANK CO-OP STORES | | | IMPERIAL CHAMBERS | | | SEWAGE WORKS | | | ELM DRIVE | | | CREWE GATES FARM | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1963 | 1964 | 1965 | 1963 | 1964 | 1965 | 1963 | 1964 | 1965 | 1963 | 1964 | 1965 | 1963 | 1964 | 1965 |
| Jan. | 3.72 | 3.28 | 3.01 | 5.11 | 4.17 | 3.08 | 2.54 | 1.45 | 1.04 | 2.36 | 1.94 | 1.69 | 2.09 | 1.69 | 1.94 |
| Feb. | 3.09 | 2.98 | 2.49 | 4.44 | 3.04 | 3.62 | 1.59 | 1.87 | 1.24 | 2.38 | 1.44 | 1.47 | 2.74 | 2.15 | 1.82 |
| March | 2.68 | 3.83 | 2.91 | 3.37 | 2.95 | 3.63 | 1.13 | 2.31 | 1.81 | 1.49 | 1.76 | 2.04 | 1.45 | 1.75 | 1.97 |
| April | 2.11 | 2.18 | 3.12 | 2.79 | 2.46 | 3.89 | 0.98 | 0.81 | 1.67 | 1.31 | 1.04 | 2.52 | 1.02 | 1.14 | 2.23 |
| May | 1.46 | 1.40 | 1.48 | 1.96 | 1.93 | 1.68 | 0.43 | 0.47 | 0.52 | 0.75 | 0.57 | 0.75 | 1.03 | 0.79 | 1.13 |
| June | 0.91 | 1.15 | 0.87 | 1.13 | 1.33 | 1.32 | 0.49 | 0.48 | 0.37 | 0.43 | 0.68 | 0.63 | 0.70 | 0.42 | 0.69 |
| July | 1.04 | 0.78 | 0.86 | 1.19 | 0.95 | 1.54 | 0.37 | 0.36 | 0.68 | 0.46 | 0.41 | 0.76 | 0.75 | 0.59 | 0.63 |
| August | 0.94 | 0.84 | 0.96 | 1.22 | 1.04 | 1.85 | 0.35 | 0.32 | 0.44 | 0.30 | 0.41 | 0.48 | 0.78 | 0.61 | 0.39 |
| Sept. | 1.26 | 1.39 | 1.51 | 1.22 | 1.54 | 1.68 | 0.45 | 0.57 | 0.48 | 0.74 | 0.65 | 0.79 | 1.01 | 0.92 | 1.02 |
| October | 2.20 | 1.69 | 1.16 | 1.94 | 2.14 | 2.20 | 0.76 | 1.02 | 1.08 | 0.95 | 1.17 | 1.14 | 1.30 | 1.31 | 1.13 |
| Nov. | 2.84 | 1.44 | 1.79 | 3.33 | 2.66 | 2.01 | 1.03 | 0.86 | 1.13 | 1.31 | 1.09 | 1.43 | 1.51 | 2.08 | 1.42 |
| Dec. | 3.96 | 3.33 | 1.72 | 4.00 | 4.19 | 1.74 | 2.00 | 1.51 | 0.92 | 2.04 | 1.86 | 1.04 | 1.91 | 2.10 | 1.06 |
| TOTAL | 26.21 | 24.29 | 21.88 | 31.70 | 28.40 | 28.24 | 12.12 | 12.03 | 11.38 | 14.52 | 13.02 | 14.74 | 16.29 | 15.55 | 15.43 |
| MONTHLY AVERAGE | 2.18 | 2.02 | 1.82 | 2.64 | 2.36 | 2.35 | 1.01 | 1.00 | 0.95 | 1.23 | 1.08 | 1.23 | 1.36 | 1.29 | 1.29 |

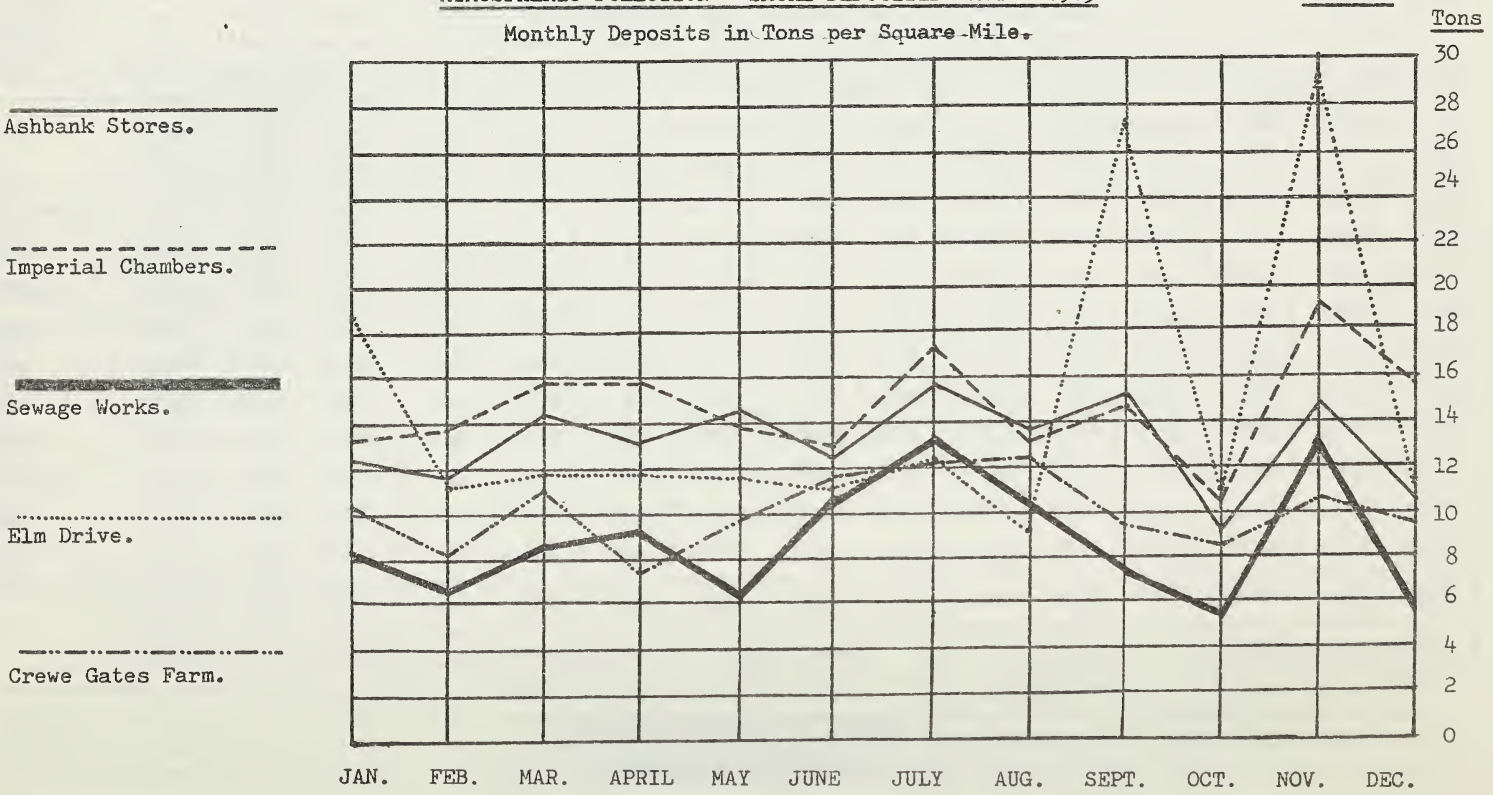
## ATMOSPHERIC POLLUTION

### Monthly Rainfall in Inches

| | ASHBANK CO-OP STORES | | | IMPERIAL CHAMBERS | | | SEWAGE WORKS | | | ELM DRIVE | | | CREWE GATES FARM | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1963 | 1964 | 1965 | 1963 | 1964 | 1965 | 1963 | 1964 | 1965 | 1963 | 1964 | 1965 | 1963 | 1964 | 1965 |
| Jan. | 0.77 | 0.57. | 2.54 | 0.74 | 0.66 | 2.50 | 0.75 | 0.63 | 2.71 | 0.86 | 0.62 | 2.95 | 0.62 | 0.61 | 2.25 |
| Feb. | 0.11 | 0.85 | 0.45 | 0.10 | 0.77 | 0.42 | 0.10 | 0.86 | 0.48 | 0.21 | 0.91 | 0.57 | 0.13 | 0.79 | 0.46 |
| March | 0.73 | 2.00 | 2.10 | 0.70 | 1.83 | 1.92 | 0.72 | 2.06 | 2.23 | 0.83 | 2.27 | 2.32 | 0.79 | 1.93 | 2.15 |
| April | 1.93 | 2.29 | 1.91 | 0.96 | 2.21 | 1.88 | 2.06 | 2.30 | 2.12 | 2.27 | 2.59 | 2.32 | 2.02 | 2.11 | 2.10 |
| May | 1.19 | 1.79 | 3.35 | 1.26 | 1.68 | 2.72 | 1.18 | 2.13 | 3.00 | 1.69 | 2.10 | 3.01 | 1.19 | 1.84 | 2.76 |
| June | 2.94 | 1.57 | 3.05 | 2.93 | 1.49 | 2.65 | 3.03 | 1.78 | 3.22 | 2.95 | 1.88 | 3.28 | 3.64 | 1.92 | 2.93 |
| July | 1.74 | 1.82 | 3.58 | 1.19 | 1.88 | 2.87 | 1.80 | 1.98 | 3.41 | 1.63 | 1.99 | 3.35 | 1.80 | 1.93 | 3.28 |
| August | 2.19 | 1.55 | 2.86 | 2.02 | 1.62 | 2.53 | 2.27 | 1.81 | 2.46 | 2.44 | 1.85 | 2.11 | 2.21 | 2.20 | 2.85 |
| Sept. | 2.15 | 0.87 | 5.13 | 2.18 | 0.89 | 4.85 | 2.14 | 1.14 | 5.49 | 2.56 | 1.22 | 5.46 | 2.18 | 1.08 | 5.15 |
| October | 2.21 | 2.29 | 0.91 | 2.21 | 2.41 | 0.82 | 2.33 | 2.62 | 1.05 | 2.50 | 1.94 | 1.13 | 2.19 | 2.24 | 0.91 |
| Nov. | 3.52 | 1.44 | 2.27 | 3.74 | 1.41 | 1.95 | 3.60 | 1.52 | 2.52 | 3.80 | 1.59 | 2.73 | 3.41 | 1.43 | 2.17 |
| Dec. | 0.19 | 2.79 | 3.92 | 0.16 | 2.77 | 4.86 | 0.22 | 2.97 | 4.76 | 0.25 | 2.91 | 4.53 | 0.18 | 2.25 | 4.30 |
| TOTAL | 19.67 | 19.83 | 32.07 | 18.19 | 19.62 | 29.97 | 20.20. | 21.80 | 33.45 | 21.99 | 21.87 | 33.76 | 20.36 | 20.33 | 31.31 |
| MONTHLY AVERAGE | 1.64 | 1.65 | 2.67 | 1.52 | 1.66 | 2.50 | 1.69 | 1.82 | 2.79 | 1.83 | 1.82 | 2.80 | 1.70 | 1.69 | 2.61 |

ATMOSPHERIC POLLUTION - SMOKE DEPOSITED MATTER 1965. GRAPH 1.

Monthly Deposits in Tons per Square Mile.



GRAPH 11.

## ATMOSPHERIC POLLUTION - SULPHUR DIOXIDE DEPOSITS 1964.

Results expressed as Mg.$SO_3$/Day/100 sq.cm. of Batch "A" Lead Peroxide exposed under a louvered cover.